*NAIP Web delivery?

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- *Most spatial data is exchanged using a standard file format (tiff, jp2k, sid, etc)
- *Most users don't want the predetermined tiling scheme:
 - *clip, zip and ship
 - *CCM's versus DOQQ's a good example
- *Local storage on client side of some type:
 - *Cost (capex/opex)
 - *Multiple copies to manage
 - *Mange versioning across multiple sites
- *More time spent managing data than exploiting it
- *Big barrier to new opportunities



- *Short term versus lifetime delivery model?
 - *Contractor short term few months?
 - *Then transition to long term by USDA?
- *What products to host?
 - *Compression, 3+3 versus 4 bands, etc?
- *What level of SLA needed?



- *Geospatial industry standards come from:
 - *Open Geospatial Consortium (OGC)
 - *International Standards Organization (ISO) especially TC 211
- *Standards achieve interoperability by allowing data from multiple systems to be taken into the same application
- *Standards relevant to the NAIP Program:
 - *Web Map Service(WMS)
 - *Web Coverage Service(WCS)
 - *Catalog Service (CSW) (?)



- *OGC/ISO web standard to produce and consume a two-dimensional map of spatially referenced data
- *Most successful OGC standard with more than 300 implementations
- *can be used to portray not only imagery but also vector and terrain data.
- *Not suited to 3D clients since it does not provide enough view/portrayal control

*WMS: Web Map Service

- *supports the exchange of raw geospatial data as "coverages" that are bound in space and time without the need to apply portrayal
- *No practical clients that consume WCS
- *Lacks detailed control for level of detail and field of view calculations required for 3D visualization

*WCS: Web Coverage Service